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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/601,474	10/17/2000	Hiroaki Okamoto	OKAMOTO7	7869	
1444	7590 05/20/2004		EXAM	EXAMINER	
BROWDY AND NEIMARK, P.L.L.C.			WILLS, MONIQUE M		
624 NINTH SUITE 300	STREET, NW		ART UNIT	ART UNIT PAPER NUMBER	
	TON, DC 20001-5303		1746		
			DATE MAILED: 05/20/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	<u> 4</u>
_	09/601,474	OKAMOTO ET AL.	
Office Action Summary	Examiner	Art Unit	
	Monique M Wills	1746	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet w	ith the correspondence address -	•
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl' - If NO period for reply is specified above, the maximum statutory period of the period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ly within the statutory minimum of thi will apply and will expire SIX (6) MO e, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communica BANDONED (35 U.S.C. § 133).	ition.
Status			
 Responsive to communication(s) filed on 12 July This action is FINAL. Since this application is in condition for allowed closed in accordance with the practice under Exercise. 	s action is non-final. ince except for formal mat	•	s is
Disposition of Claims			
 4) Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are withdraws 5) Claim(s) 4,5,11 and 16-18 is/are allowed. 6) Claim(s) 1-3,6-9,14 and 15 is/are rejected. 7) Claim(s) 10,12,13,19 and 20 is/are objected to 8) Claim(s) are subject to restriction and/or 	wn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examine 10)☒ The drawing(s) filed on 17 October 2000 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Ex	e: a)⊠ accepted or b)⊡ o drawing(s) be held in abeya tion is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.12	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 	ts have been received. ts have been received in A crity documents have beer u (PCT Rule 17.2(a)).	Application No received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152) 	

Art Unit: 1746

DETAILED ACTION

Request for Continued Examination

The Request for Continued Examination (RCE) filed on June 12, 2003, under 37 CFR §1.114 based on parent Application No. 09/601,474 is acceptable and an RCE has been established. An action on the RCE follows.

Applicant enclosed an IDS for consideration of JP 5-84025. The reference does not teach or suggest a metal foil coated with an organic layer, and therefore, is patentably distinct from the subject invention.

Claims 1-3,6-9, 14-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Tanaka U.S. Patent 5,580,679. Claims 4,5,16-18 are allowable over the prior art of record. Claims 10,12,13,19 & 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3,6-9, 14-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Tanaka U.S. Patent 5,580,679.

Art Unit: 1746

Tanaka teaches a non-aqueous battery comprising an end cap having an opening and a sealing metal plate (abstract). With respect to claims 1-3 & 6-7, Tanaka teaches a method of forming a protection film of a safety valve element for a battery comprising metal substrates 10 & 11 (col. 5, lines 10-15 & col. 22, lines 65-68) each with a hole extending there through, and a metal foil 7 (col. 5, lines 5-15) heat sealed or laminated to substrate 10 (col. 45-55), to cover holes in substrates 10 & 11 (Fig. 2). With respect to claims 1, 3 & 14, the organic coating is coated on one side of the metal foil (Fig. 1 & col. 25, lines 25-40). With respect to claims 2 & 15, the organic material is laminated on the metal foil as a resin film (col. 1, lines 62-68). With respect to claims 6 & 7, the organic coating embraces Applicant's protection film (Fig. 1). With respect to claim 8, the organic material is laminated on the metal foil as a continuous resin film (Fig. 1, and col. 1, lines 62-68). The instant claims are anticipated by the prior art set forth. The limitation in claim 8, with respect to the organic coating being continuous, is considered to be an inherent property of the coating set forth in the prior art, because Tanaka illustrates, in Figure 1, a coating without any scores, cuts or breaks, rendering said coating continuous. The limitation in claim 9, with respect to the protection film being an uncut laminate film, is considered to be an inherent property of the coating set forth in the prior art, because Tanaka teaches coating organic material on metal foil with a heat roller (col. 1, lines 55-68). In other words, the coating is not formed from a pre-cut laminate sheet.

Allowable Subject Matter

Claims 4,5,16-18 are allowable over the prior art of record, because the prior art is silent to a method of forming a protection film for a battery comprising: applying an organic coating to a metal foil and laminating the metal foil to a metal substrate

Art Unit: 1746

having a first hole there through, wherein the metal substrate is applied to a closing plate having a second hole, such that the first hole and second hole are connected, and

the metal substrate and closing plate are adhered together around the second hole.

Claims 10,12,13,19 & 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 10,12,13,19 & 20 would be allowable over the prior art of record, because the prior art is silent to a method of forming a protection film for a battery comprising: applying an organic coating to a metal foil and laminating the metal foil to a metal substrate having a first hole there through, wherein the metal substrate is applied to a closing plate having a second hole, such that the first hole and second hole are connected, and the metal substrate and closing plate are adhered together around the second hole.

The prior art, such as Tanaka U.S. Patent 5,580,679, teaches a metal substrate 11 with a first hole and a closing plate 8 with a second hole. The reference is silent to the first hole and second hole being connected such that first hole adheres around the second hole of the closing plate. Therefore, the reference is patentably distinct from the instant claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Monique Wills whose telephone number is (571)

Art Unit: 1746

272-1309. The Examiner can normally be reached on Monday-Friday from 8:30am to 5:00 pm.

If attempts to reach Examiner by telephone are unsuccessful, the Examiner's supervisor, Randy Gulakowski, may be reached at 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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5/14/04

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